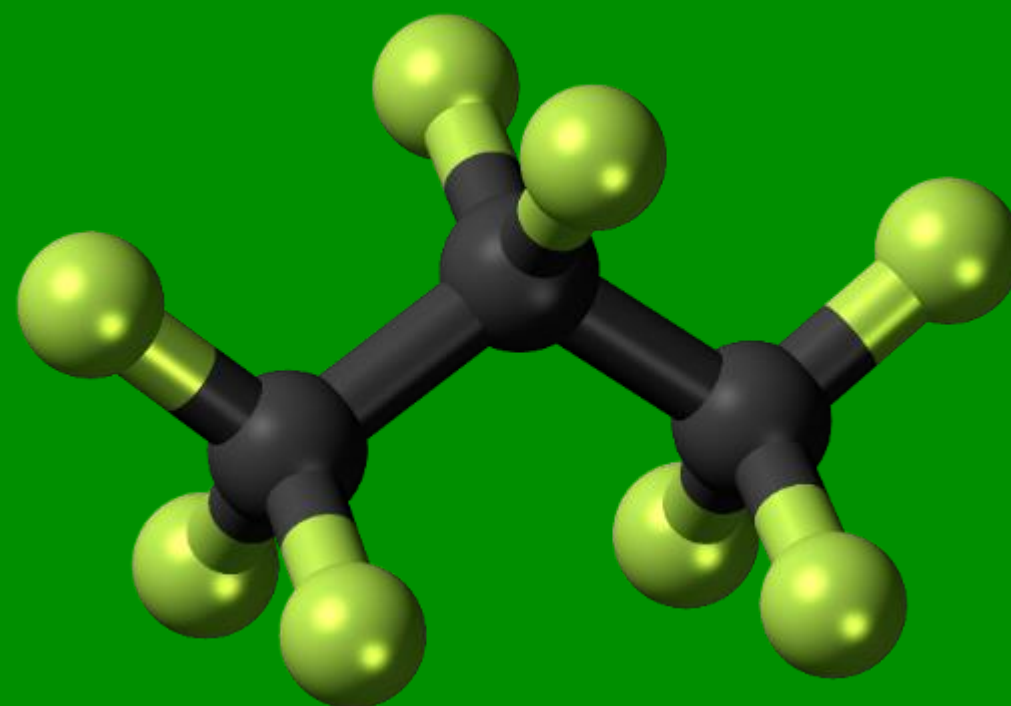


# GREEN PROPANE VEHICLES



**PROPANE  
GAS**  
Association of  
New England

# CLEAN GREEN PROPANE



- EPA Clean Alternative Fuel
- Propane is non-toxic and does not contaminate groundwater.
- Propane is made up of Carbon and Hydrogen,  $C_3H_8$ .
- There are no toxic heavy metals or batteries.
- Propane tanks can be reused and recycled.
- Propane is a beneficial by-product of natural gas.



# PROPANE USES



# ENERGY SECURITY

4



## DEPLOYMENTS

HOUSTON/BEAUMONT/VICTORIA,  
TEXAS (HURRICANE & FLOOD) /  
371,760 MEALS OVER 11 DAYS



Sustainable  
Living

# ABUNDANT SUPPLY



- 98% of the propane consumed in the United States is produced in North America.
- The U.S. exports 12 billion gallons of propane annually – that's enough to fuel nearly 5 million fleet vehicles.

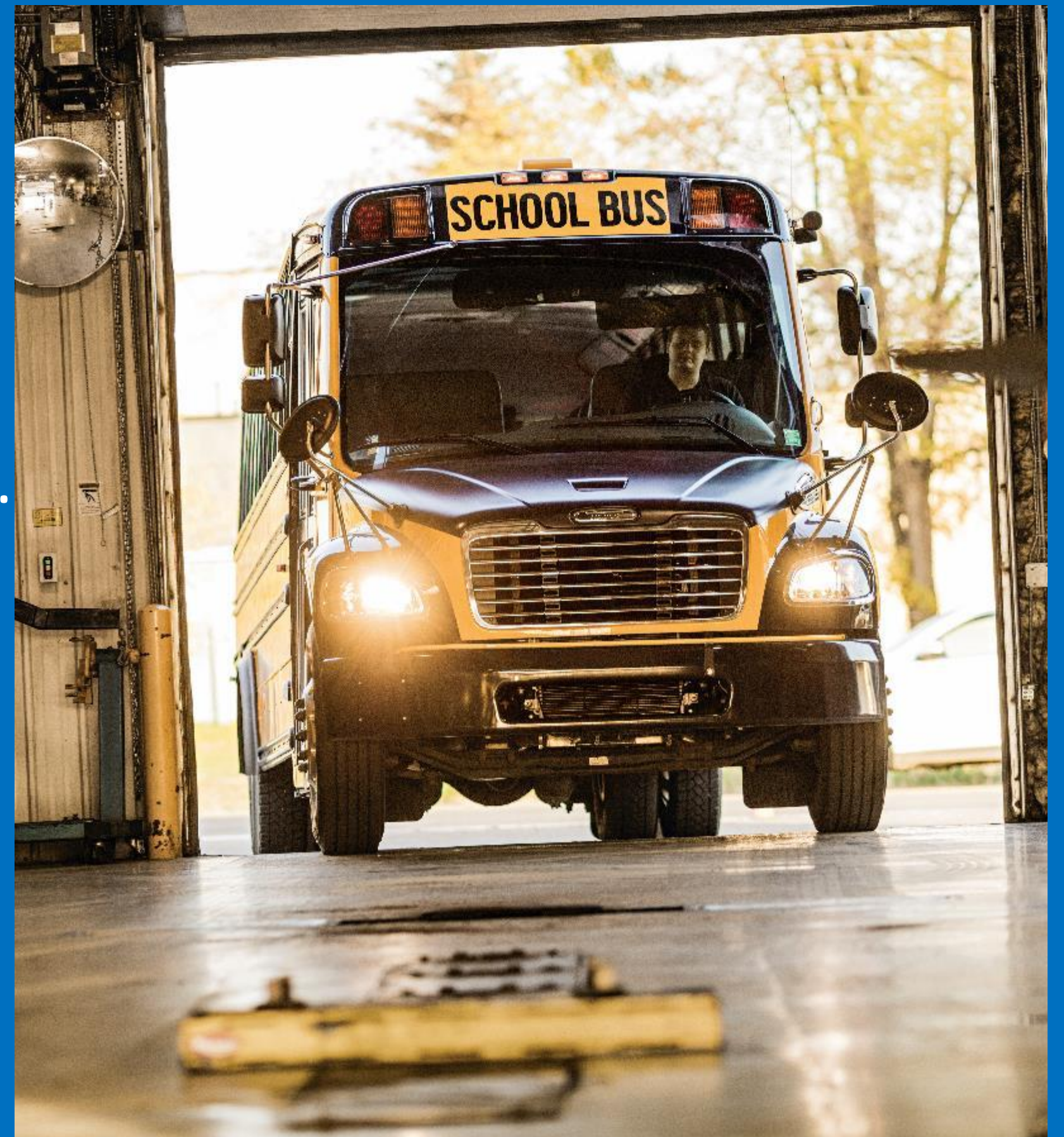
# AFFORDABLE REFUELING



- Customers can choose private, on-site refueling infrastructure scaled for their needs, or take advantage of existing public or private refueling networks.
- A standard propane refueling station costs between \$37,000 and \$175,000 – substantially less than a natural gas station.

# LOWEST TOTAL COST OF OWNERSHIP

- The costs of diesel add up quickly: expensive fuel, additional fluids, and pricey particulate filters. These are the most influential reasons why propane vehicles save customers more money, from purchase to retirement of the asset.
- With propane, customers can eliminate downtime linked directly to diesel maintenance and unexpected repairs. Propane vehicles also provide superior cold-weather performance compared with diesel.



# PROPANE STARTS AT -41F

8



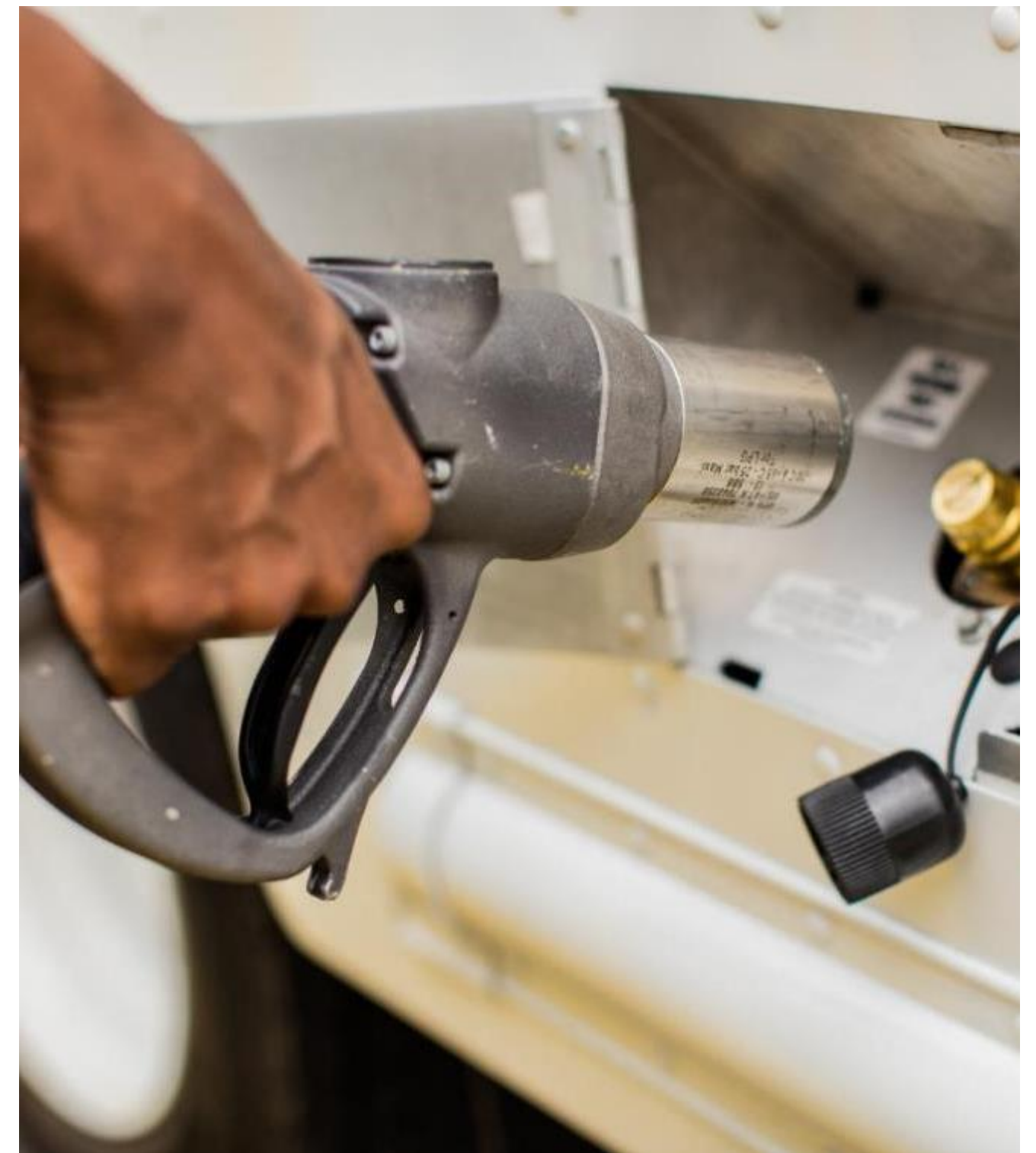


# AVAILABLE NOW SOLUTION

- Nationally, 13,000 propane-powered school buses transport 800,000 school children every day.
- 200,000 propane-powered vehicles on the road in the U.S.
- Propane is the world's third most popular auto fuel following gasoline and diesel.

# COMMUNITY-ORIENTED SOLUTION

- 4,500 propane industry employees live and work in New England.
- Propane contributes more than \$2 Billion to the New England economy each year.
- Local businesses are the primary driver of growth and jobs in America. Support for these local propane businesses is essential to the future economic health and stability of the United States.



# GHG REDUCTIONS



- Propane school buses emit 13% fewer GHG emissions compared to gasoline.
- Propane school buses emit 7% fewer GHG emissions than diesel.
- Propane light-duty vehicles have 14% fewer GHG emissions compared to gasoline.

# BEST OPTION FOR NO<sub>x</sub> REDUCTION

Replacing all  
diesel-fueled school  
buses older than  
model year-2007  
with new propane  
autogas-fueled buses  
= 92% NO<sub>x</sub> reduction

Source: AFLEET model using Polk  
Registration data by state for diesel buses  
— 12/31/2015.

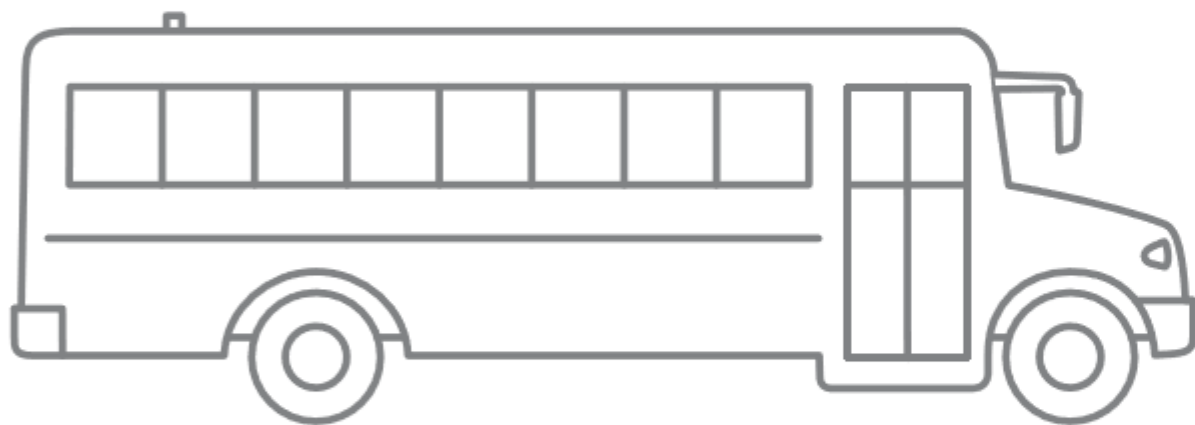
Purchase a modern,  
best-in-class for NO<sub>x</sub>  
emissions propane  
bus instead of a  
modern diesel bus.  
NO<sub>x</sub> reduced by 81%.

CARB low NOx certification data for  
MY2017 Roush 6.8L propane model  
compared with MY2016 Cummins 6.7L  
diesel model.

# New Hampshire NO<sub>x</sub> REDUCTION



## PROPANE BUS SNAPSHOT NEW HAMPSHIRE



WITH ITS **73** PROPANE BUSES,  
**NEW HAMPSHIRE** ALREADY SAVES ON  
FLUIDS, FILTERS, FUEL, AND REPAIRS FOR  
A LOWER TOTAL COST-OF-OWNERSHIP.



**400 THOUSAND**  
POUNDS OF NO<sub>x</sub> EMISSIONS  
A YEAR COULD BE REDUCED\*

\*By replacing the state's 1,147 diesel  
buses older than the model year 2007  
with new propane buses.



 PROPANE EDUCATION & RESEARCH COUNCIL

Investing in more propane buses is an important step to saving more money and cutting harmful emissions in your community. Learn more about propane buses at [propaneschoolbuses.com](http://propaneschoolbuses.com).

# PROPANE AUTOGAS BUSES BY THE NUMBERS IN THE NORTHEASTERN UNITED STATES

These are just some of the districts in this region using propane autogas buses. To see how many propane autogas buses are operating in each state, go to [propaneschoolbuses.com](http://propaneschoolbuses.com).

**(2,271 BUSES TOTAL)**

**150 BUSES**

**Newtown, Pennsylvania**  
Council Rock-Newtown School District

**86 BUSES**

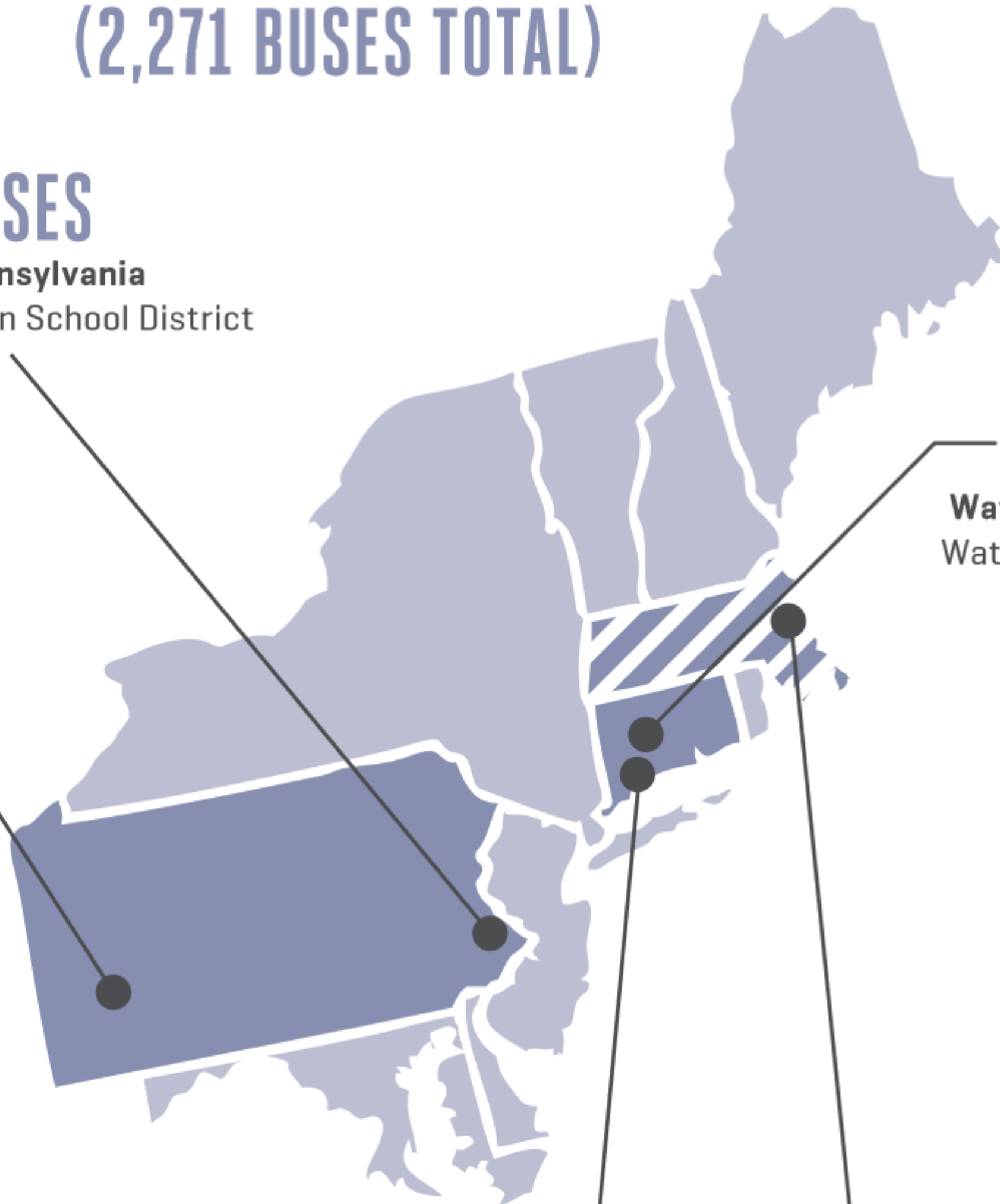
**Pittsburgh, Pennsylvania**  
Pine-Richland Pittsburgh School District

**149 BUSES**

**Waterbury, Connecticut**  
Waterbury Public Schools

**60 BUSES**

**Shelton, Connecticut**  
Shelton Public Schools



# 86 PROPANE AUTOGAS BUSES

OPERATING **8-10** HOURS DAILY

SAVING ESTIMATED **\$1,000+** DAILY

<https://www.propane.com/on-road-fleets/testimonials/school-transportation/>

## **SAVINGS SPOTLIGHT:** **BOSTON, MASSACHUSETTS —** Boston Public Schools

This district decided to adopt propane autogas buses to lower its total cost-of-ownership and provide cleaner buses for all students, including those who use wheelchairs.

# TAKE ADVANTAGE OF THE PROPANE OPPORTUNITY



- Millions is available to help offset the diesel emissions from diesel Volkswagen vehicles.
- Propane vehicles are eligible to receive settlement dollars.
- To access this money, we can help you reach out to your state and apply for funds to convert your current fleet to propane.

# *Do you know...*

What kills more people on earth every year?

A. Tuberculosis

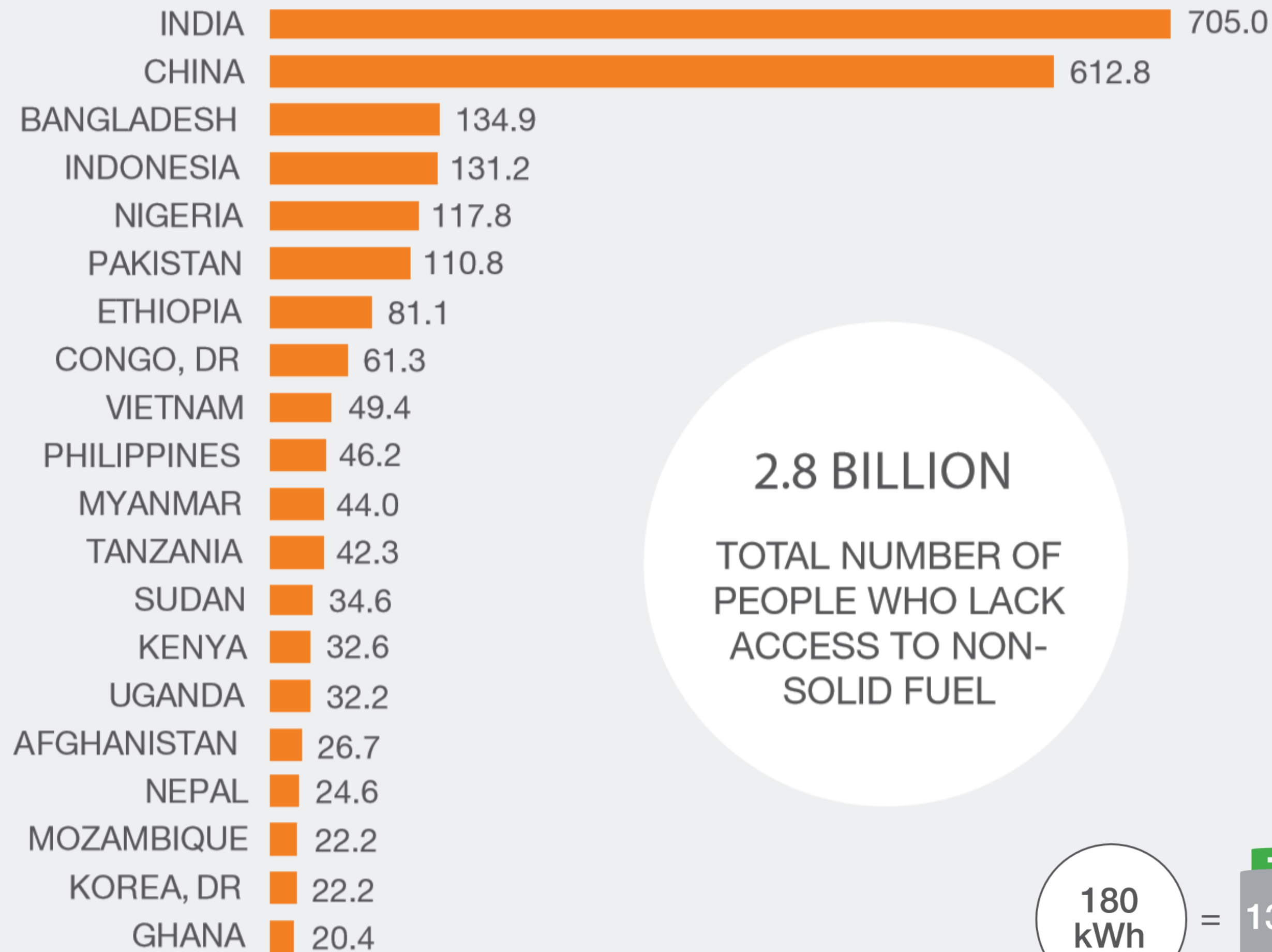
B. HIV/Aids

C. Malaria

D. Indoor Air Pollution

# Propane is saving millions of lives around the world every year as a clean energy source.

18



SOURCE: Sustainable Energy for All, 2013. Global Tracking Framework. Version 3.

# Cooking for Life



# CONTACT US



Leslie Anderson, President and CEO  
Propane Gas Association of New England  
[leslie@pgane.org](mailto:leslie@pgane.org)  
888-445-1075